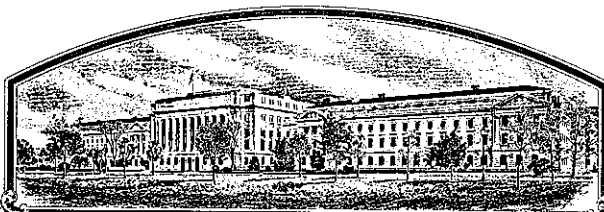


No.



8200183

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**D. J. van der Have B.V.**

Whereas, THERE HAS BEEN PRESENTED TO THE

**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *eighteen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (34 Stat. 1442, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CHEWINGS RED FESCUE

'Contour'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 28th day of February in the year of our Lord one thousand nine hundred and eighty-three.

Attest:

*Kenneth H. Egan*  
Acting

Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*John R. Block*

Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, MEAT, GRAIN & SEED DIVISION

FORM APPROVED: OMB NO.0581-0055

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

No certificate for plant variety protection may be issued unless a completed application form has been received (5 U.S.C. 553).

1. NAME OF APPLICANT(S) Koninklijk Kweekbedrijf en Zaadhandel D.J. van der Have B.V.		2. TEMPORARY DESIGNATION HF 29		3. VARIETY NAME C O N T O U R	
4. ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) P.O. Box 1 4420 AA Kapelle Netherlands		5. PHONE (Include area code) 1135-1254		FOR OFFICIAL USE ONLY PVPO NUMBER 8200183	
6. GENUS AND SPECIES NAME Festuca rubra ssp. commutata		7. FAMILY NAME (Botanical) -		FILING DATE 9/22/82 TIME 11:30 A.M. P.M.	
8. KIND NAME Chewings red fescue		9. DATE OF DETERMINATION 1976		AMOUNT FOR FILING \$ 500.00 DATE 9/22/82	
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.) Corporation				AMOUNT FOR CERTIFICATE \$ 250.00 DATE 1/25/83	
11. IF INCORPORATED, GIVE STATE OF INCORPORATION Netherlands				12. DATE OF INCORPORATION 8th March 1973	
13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS Mr. Stan Rollin 6802 Orem Drive Laurel Maryland 20810 20707					
14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED					
a. <input checked="" type="checkbox"/> Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)		c. <input checked="" type="checkbox"/> Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)			
b. <input checked="" type="checkbox"/> Exhibit B, Novelty Statement		d. <input checked="" type="checkbox"/> Exhibit D, Additional Description of the Variety			
15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act.) <input type="checkbox"/> Yes (If "Yes," answer items 16 and 17 below) <input checked="" type="checkbox"/> No					
16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> Foundation <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified			
18. DID THE APPLICANT(S) FILE FOR PROTECTION OF THE VARIETY IN THE U.S. OR OTHER COUNTRIES? Netherlands 1977-11-9 United Kingdom 1977-11-17 <input checked="" type="checkbox"/> Yes (If "Yes," give names of countries and dates) <input type="checkbox"/> No					
19. HAVE RIGHTS BEEN GRANTED IN THE U.S. OR OTHER COUNTRIES? Netherlands 1981-11-11 United Kingdom 1982- 4-22 <input checked="" type="checkbox"/> Yes (If "Yes," give names of countries and dates) <input type="checkbox"/> No					
20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable. The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.					

SIGNATURE OF APPLICANT

D.J. Glas.

DATE

SIGNATURE OF APPLICANT

DATE

1982-9-14.

## INSTRUCTIONS

**General:** Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Department of Agriculture, Agricultural Marketing Service, Livestock, Meat, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

### Item

- 9 Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- 14a Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- 14b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties: (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- 14c Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- 14d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 15 If "Yes" is specified (*seed of this variety be sold by variety name only as a class of certified seed*) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "No," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- 16 See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

GPO 890-698

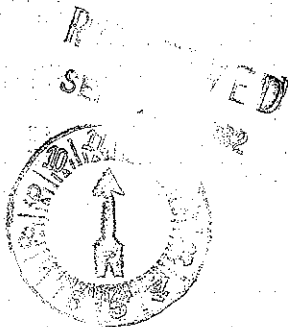


Exhibit A. Origin and Breeding History of the Variety.

In 1969 seed of red fescue plants was collected in Limburg (south-east of the Netherlands). About 100 ecotypes were collected.

Plants were raised from this seed and planted as spaced plants. Experimental varieties were developed out of this material by putting together attractive and matching plants.

Syn-1 seed of the experimental varieties was produced in 1972. The experimental varieties were tested in various turf trials and in a seed yield trial. HF 29 emerged as a variety with a good turf quality and a high seed productivity.

In view of the favourable characteristics of HF 29 it was decided to multiply the variety further: Syn-2 seed was harvested in 1974.

Syn-1 and Syn-2 seed of HF 29 were compared as spaced plants in 1975 and 1976. No genetic shift had occurred during multiplication. No variants were observed in 2 generations of reproduction and the variety proved to be stable during 2 generation of reproduction.

In 1976 it was decided to produce enough breeders' seed of the anticipated need of the next 10 years and to release HF 29 under the varietal name Contour.

## Length of flag leaf (mm)

Year	Replicate	Contour	Highlight	Jamestown	LSD 0.01
1979	I	89	68	101	10.8
	II	102	71	94	
	III	97	68	95	
	Mean	96	69	97	
1980	I	116	91	116	13.9
	II	107	102	108	
	III	132	103	111	
	Mean	118	99	112	
1981	I	127	89	108	15.0
	II	134	95	108	
	III	135	95	107	
	Mean	132	93	108	

## Panicle length (mm)

Year	Replicate	Contour	Highlight	Jamestown	LSD 0.01
1979	I	129	97	113	17.6
	II	127	103	120	
	III	105	91	113	
	Mean	120	97	115	
1980	I	128	98	110	13.9
	II	123	95	115	
	III	145	106	113	
	Mean	132	100	113	
1981	I	107	76	121	10.6
	II	108	83	117	
	III	122	91	120	
	Mean	112	83	120	

## Maturity (days after 31th March)

Year	Replicate	Contour	Highlight	Jamestown	LSD 0.01
1979	I	43	41	47	2.1
	II	41	42	47	
	III	44	42	49	
	Mean	43	42	48	
1980	I	36	33	44	2.5
	II	37	32	45	
	III	34	29	43	
	Mean	36	31	44	
1981	I	31	31	40	3.0
	II	30	29	41	
	III	32	28	41	
	Mean	31	29	41	

## Exhibit B. Novelty Statement.

*not closely* *and Jamestown. JgW 12/3/82*  
 Contour resembles Highlight, ~~but~~ Contour is different from Highlight in the following characteristics. 1

## - Width of flag leaf.

The width of the flag leaf of Contour is 0.9 mm wider than that of Highlight. This difference was significant at  $P = 0.01$  in 1979, 1980 and 1981.

## - Length of flag leaf.

The length of the flag leaf of Contour is 25 mm longer than that of Highlight. This difference was significant at  $P=0.01$  in 1979, 1980 and 1981.

## - Length of panicle

The length of the panicle of Contour is 28 mm longer than that of Highlight. This difference was significant at  $P=0.01$  in 1979, 1980 and 1981.

*JgW 12/3/82*  
~~Contour resembles Jamestown, but~~ Contour is different from Jamestown in the following characteristics:

## - Maturity

Contour is 7 days earlier than Jamestown. This difference was significant at  $P=0.01$  in 1979, 1980 and 1981.

Data provided by RIVRO/Wageningen.  
 Measured on 60 new plants each year.

## Width of flag leaf (mm)

Year	Replicate	Contour	Highlight	Jamestown	LSD 0.01
1979	I	2.9	2.0	2.6	0.24
	II	2.8	1.8	2.5	
	III	2.8	1.9	2.4	
	mean	2.8	1.9	2.5	
1980	I	2.7	1.9	1.9	0.23
	II	2.6	1.7	1.7	
	III	2.7	1.6	2.0	
	Mean	2.7	1.7	1.8	
1981	I	2.3	1.5	2.0	0.48
	II	2.4	1.4	2.2	
	III	2.5	1.4	2.2	
	Mean	2.4	1.4	2.2	

U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL MARKETING SERVICE  
LIVESTOCK, MEAT, GRAIN & SEED DIVISION  
PLANT VARIETY PROTECTION OFFICE  
BELTSVILLE, MARYLAND 20705

EXHIBIT C  
(Fine Leaved Fescues)

OBJECTIVE DESCRIPTION OF VARIETY  
FINE LEAVED FESCUES

(Festuca spp.)

NAME OF APPLICANT(S) Koninklijk Kweekbedrijf en Zaadhandel D.J. van der Have B.V.	TEMPORARY DESIGNATION HF 29	VARIETY NAME C O N T O U R
ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) P.O. Box 1 4420 AA Kapelle Netherlands		FOR OFFICIAL USE ONLY PVPO NUMBER 8200183

Place the appropriate number that describes the varietal character of this variety in the boxes below. Use leading zeroes when necessary (e.g.,    or   ). Characteristics described including numerical measurements, should represent those that are typical for the variety. Measured data should be for SPACED PLANTS. Royal Horticultural Society or any recognized color fan may be used to determine plant colors; designate system used: RIVRO system

Describe location of test area, conditions and number of plants used: Wageningen Netherlands, 60 plants each year during 3 consecutive years

1. SPECIES: (With comparison varieties for use below - use varieties within species of application variety)

<input type="text" value="1"/>	1 = <i>F. rubra</i> ssp. <i>commutata</i> (Chewings)	11 = Cascade	12 = Highlight	13 = Jamestown
	2 = <i>F. rubra</i> ssp. <i>litoralis</i> (Creeping Red)	14 = Banner	15 = Barfalla	23 = Merlin
	3 = <i>F. rubra</i> ssp. <i>rubra</i> (Spreading Red)	21 = Dawson	22 = Starlight	33 = Fortress
	4 = <i>F. ovina</i> (Sheep)	24 = Pennlawn	32 = Ruby	
	5 = <i>F. longifolia</i> (Hard)	31 = Boreal	34 = Ensylva	
	6 = <i>F. tenuifolia</i> (Fine-Leaved Sheep)	41 = Covar	51 = Durar	52 = Biljart (C-26)
	7 = Other (Specify) <u>F.</u>	61 = Panda	53 = Scaldis	62 = Barok

2. CYTOLOGY:

<input type="text" value="4"/> <input type="text" value="2"/>	Chromosome Number	<input type="text" value="3"/>	Ploidy	1 = diploid	2 = tetraploid	3 = hexaploid
				4 = octoploid		

3. ADAPTATION: (0 = Not Tested; 1 = Not Adapted; 2 = Adapted)

<input type="text" value="2"/>	Northeast	<input type="text" value="2"/>	Southeast	<input type="text" value="2"/>	North Central	<input type="text" value="2"/>	Pacific N.W.	<input type="text"/>	Other (Specify) _____
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4. MATURITY: Date First Headed (panicle emergence) Location(s) of Trial(s) Wageningen (51° North L.)

<input type="text" value="2"/>	Maturity Class:	1 = Very Early (Covar)	2 = Early (Highlight)	3 = Medium Early (Boreal, Dawson)
		4 = Medium Late (Cascade, Ruby)	5 = Late (Jamestown, Agram)	6 = Very Late

Date Headed _____	
<input type="text" value="7"/>	Days earlier than <input type="text" value="1"/> <input type="text" value="3"/>
<input type="text" value="3"/>	Days later than <input type="text" value="1"/> <input type="text" value="2"/>
Maturity same as <input type="text" value="1"/> <input type="text" value="3"/>	Comparison Variety

5. PLANT HEIGHT: (At maturity; to top of panicle; Average of 10 tallest culms)

<input type="text" value="8"/> <input type="text" value="2"/> <input type="text" value="0"/>	mm height	
<input type="text" value="1"/> <input type="text" value="3"/>	mm shorter than	Comparison Variety
<input type="text" value="1"/> <input type="text" value="3"/>	Height same as	
<input type="text" value="1"/> <input type="text" value="2"/>	mm taller than	

6. GROWTH HABIT: (Mature)

<input type="text" value="2"/>	1 = Erect (Ruby)	2 = Semi-erect (Highlight)	3 = Prostrate (Silvana)
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7. RHIZOMES:

<input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/>	mm Length	<input type="text" value="1"/> <input type="text" value="3"/>	mm Width	<input type="text" value="1"/> <input type="text" value="2"/>	mm Internode length
<input type="text" value="0"/>	1 = Absent (Highlight)	2 = Weakly Creeping (Dawson)	3 = Strongly Creeping (Boreal)	4 = Very Strongly Creeping (Fortress)	

# 8. LEAF BLADE:

3

Color: 1 = Light Green (Starlight) 2 = Medium Light Green (Highlight) 3 = Medium Dark Green (Ruby, Agram)  
4 = Dark Green (Jamestown, Manoir) 5 = Bluegreen (Saphir) 6 = Graygreen (Scaldis)  
7 = Other (Specify) \_\_\_\_\_

1

Glaucosity (Sowing Year): 1 = Absent (Koket) 2 = Present (Vendome)

Anthocyanin: 1 = Absent 2 = Present ☐ Hairs (Basal) 1 = Absent 2 = Present

Margins: 1 = Smooth 2 = Semi-rough 3 = Rough

1

Margin folding (closure): 1 = Rolled inward (closed-Highlight) 2 = Flat (open-Jamestown, Engina)

2

Width class:  
1 = Very Fine (Agram, Frida) 2 = Fine (Jamestown, Highlight, Banner, Dawson)  
3 = Medium Fine (Fortress, Ruby, Scaldis) 4 = Medium Coarse (Engina)

1 1 5

mm Length (flag leaf)

mm Shorter than

Blade length same as

Comparison Variety

2 5

mm Longer than

1 2

2 6

mm Width (flag leaf)

mm Narrower than

Blade width same as

Comparison Variety

0 9

mm Wider than

1 2

# 9. LEAF SHEATH:

2

Anthocyanin (seedling): 1 = Absent (Highlight) 2 = Present (Jamestown, Fortress, Marga)

Auricle Hairiness: 1 = Absent 2 = Present

Margins: 1 = Open (Highlight) 2 = Closed (Jamestown)

# 10. PANICLE (Mature plant):

Shape: 1 = Narrow-tapering 2 = Ovate 3 = Oblong 4 = Other (Specify) \_\_\_\_\_

Type: 1 = Open 2 = Intermediate 3 = Compact

Orientation: 1 = Erect 2 = Nodding

Branch Pubescence: 1 = Glabrous 2 = Pubescent

Anther Color: 1 = Yellowish Green 2 = Green 3 = Bluish Green 4 = Purplish

Glume Color (At 50% flowering): 5 = Reddish 6 = Other (Specify) \_\_\_\_\_

1 2 2

mm Length

mm Shorter than

Panicle length same as

Comparison Variety

2 8

mm Longer than

1 2

# 11. PALEA:

Hairs (On keels or margins): 1 = Absent (Banner) 2 = Short (Agram, Scaldis, Olds)  
3 = Long (Rainier, Fortress, Jamestown)



## 12. LEMMA (Mature):

<input type="checkbox"/>	Hairs:	1 = Absent (Jamestown)	2 = Several	3 = Many (Highlight)
<input type="checkbox"/> 5 4	mm Lemma Length			
<input type="checkbox"/> <input type="checkbox"/>	mm Shorter than	<input type="checkbox"/> <input type="checkbox"/>	} Comparison Variety	
<input type="checkbox"/> <input type="checkbox"/>	Lemma length same as	<input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> 5	mm Longer than	<input type="checkbox"/> 1 2		
<input type="checkbox"/> 1 0 4	mm Lemma Width		} Comparison Variety	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mm Narrower than	<input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> <input type="checkbox"/>	Lemma width same as	<input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> 0 0 8	mm Wider than	<input type="checkbox"/> 1 2		
<input type="checkbox"/> 2	Awns:	1 = Absent	2 = Present	
<input type="checkbox"/> 2 1	mm Awn Length			
<input type="checkbox"/> 0 4	mm Shorter than	<input type="checkbox"/> 1 3	} Comparison Variety	
<input type="checkbox"/> <input type="checkbox"/>	Awn length same as	<input type="checkbox"/> <input type="checkbox"/>		
<input type="checkbox"/> 0 1	mm Longer than	<input type="checkbox"/> 1 2		

## 13. SEED (With lemma &amp; palea):

<input type="checkbox"/> 2	Size Class (g/1000 seed):	
	1 = <.9g (Biljart, Dawson)	2 = .9 - < 1.1g (Jamestown, Highlight)
	3 = 1.1 - 1.3g (Fortress, Novorubra)	4 = > 1.3g (Boreal, Golfrood)
<input type="checkbox"/> 1 0 1 0	mg per 1000 seed	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	mg per 1000 seed less than	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> <input type="checkbox"/>	Seed Weight same as	<input type="checkbox"/> <input type="checkbox"/>
<input type="checkbox"/> 1 1 0	mg per 1000 more than	<input type="checkbox"/> 1 2

## 14. DISEASE, INSECT, AND NEMATODE REACTION (0 = Not Tested, 1 = Susceptible, 2 = Resistant):

<input type="checkbox"/> 0	Melting-out <i>Drechslera poae</i> ( <i>Helminthosporium vagans</i> )	<input type="checkbox"/> 0	Stripe rust <i>P. striiformis</i>
<input type="checkbox"/> 0	Leaf spot <i>D. siccans</i>	<input type="checkbox"/> 0	Leaf rust <i>P. poae-nemoralis</i>
<input type="checkbox"/> 0	Net blotch <i>D. dictyoides</i>	<input type="checkbox"/> 0	<i>P. crandallii</i>
<input type="checkbox"/> 0	Leaf spot <i>Bipolaris sorokiniana</i>	<input type="checkbox"/> 0	Pythium Blight <i>Pythium ultimum</i>
<input type="checkbox"/> 0	Brown patch <i>Rhizoctonia solani</i>	<input type="checkbox"/> 2	Red thread <i>Corticium fusciforme</i>
<input type="checkbox"/> 2	Powdery mildew <i>Erysiphe graminis</i>	<input type="checkbox"/> 0	Dollar spot <i>Sclerotinia homoeocarpa</i>
<input type="checkbox"/> 0	Stripe smut <i>Ustilago striiformis</i>	<input type="checkbox"/> 0	Insect _____
<input type="checkbox"/> 2	F. Patch, Pink snow-mold <i>Fusarium nivale</i>	<input type="checkbox"/> 0	Nematode _____
<input type="checkbox"/> 0	Fusarium blight <i>F. tricinctum</i> , <i>F. roseum</i>	<input type="checkbox"/>	Other _____
<input type="checkbox"/> 0	Gray snow mold <i>Typhula lotana</i>	<input type="checkbox"/>	Other _____
<input type="checkbox"/> 0	Stem rust <i>Puccinia graminis</i>	<input type="checkbox"/>	Other _____

**15. GIVE VARIETY OR VARIETIES THAT MOST CLOSELY RESEMBLE THE APPLICATION VARIETY.** For the following characteristics indicate Degree of Resemblance by placing the column marked, D.R., one of the following numbers:

1 = Application variety is less than comparison variety.      2 = Same As  
3 = More than, better, greater, darker, more disease resistant, etc.

CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Rhizome Length			Growth Habit	Jamestown	2
Leaf Width	Highlight	3	Leaf Color	Jamestown	1
Panicle Color			Panicle Shape		
Winter Color	Jamestown	3	Cold Injury		
Shade Tolerance			Heat		
Drought			Disease*		

\* Specify each disease evaluated.

**16. ADDITIONAL DESCRIPTION: (Use additional sheets as required)**

Describe all characteristics that cannot be adequately described in the form above in Exhibit D. Comparative varieties should be used as may be appropriate, such as for disease. Append all comparative trial and evaluation data, including measured characters, environmental, and disease tests.

Exhibit D. Additional Description of the Variety.

Number of panicles /m<sup>2</sup> (mean of 3 replicates).

	Seeding time I (81/7/6)	Seeding time II (81/7/20)	Seeding time III (81/8/15)	Mean
Contour	6626	6280	4413	5773
Highlight	6333	5200	2400	4644

Contour has a higher number of panicles per m<sup>2</sup> than Highlight. In spite of the late sowing of Seeding time III, Contour still produces a high number of panicles. The juvenile stage of Contour thus is shorter than that of Highlight.